

What is claimed is:

1. A method for establishing a VoIP conference call by joining a first VoIP station in a communication between a plurality of communication stations, wherein at least one of the plurality of communication stations is a second VoIP station in a private network and said first VoIP station is in the private network, the method comprising:

receiving an indication from the first VoIP station for joining a VoIP call between the plurality of communication stations;

establishing an RTP voice path with the first VoIP station; and

managing data packet transmission between the first VoIP station and one of the plurality of communication stations.

2. The method of claim 1 wherein at least one of the plurality of communication stations is a PSTN phone.

3. The method of claim 1 wherein at least one of the plurality of communication stations is a VoIP phone .

4. The method of claim 1 wherein the indication comprises a switch signal from the first VoIP station.

5. The method of claim 1 wherein the indication comprises a code number.
6. The method of claim 5 wherein the code number identifies a connection in the private network.
7. The method of claim 1 further comprising informing the plurality of communication stations of the status of the first VoIP station.
8. The method of claim 1 wherein managing data packet transmission comprises mixing data packets from the first VoIP station and at least one of the plurality of communication stations.
9. The method of claim 8 where managing data packet transmission further comprises sending the mixed data packets to at least one of the plurality of communication stations.
10. The method of claim 1 wherein managing data packet transmission comprises mixing data packets from the plurality of communication stations.
11. The method of claim 10 wherein managing data packet transmission further comprises sending the mixed data packets to the first VoIP station.

12. The method of claim 1 further comprising indicating a busy status on the first VoIP station.

13. The method of claim 1 further comprising receiving an on-hook signal from the first VoIP station.

14. The method of claim 1 further comprising receiving an on-hook signal from at least one of the plurality of communication stations.

15. The method of claim 14 wherein the call is disconnected.

16. A device for establishing a VoIP conference call by joining a first VoIP station in a communication between a plurality of communication stations, wherein at least one of the plurality of communication stations is a second VoIP station in a private network and said first VoIP station is in the private network, the device comprising:

a receiver for receiving an indication from a first VoIP station for joining a call;

an apparatus for setting up a voice path with the first VoIP station in response to the received signal for joining a call; and,

an RTP mixer for managing at least two VoIP stations and sending the mixed data packets to at least one VoIP station.

17. The device of claim 16 further comprising a status monitor for informing a VoIP call agent of the status of the first VoIP station.

18. The device of claim 16 wherein at least one of the plurality of communication stations is a PSTN phone.

19. The device of claim 16 wherein at least one of the plurality of communication stations is a VoIP phone.

20. The device of claim 16 wherein the indication comprises a switch signal from the first VoIP station.

21. The device of claim 16 wherein the indication comprises a code number.

22. The device of claim 21 wherein the code number identifies a communication in the private network.

23. The device of claim 16 further comprising informing the plurality of communication stations of the status of the first VoIP station.

24. The device of claim 16 wherein managing data packet transmission comprises mixing data packets from the first VoIP station and at least one of the plurality of communication stations.

25. The device of claim 24 where managing data packet transmission further comprises sending the mixed data packets to the at least one of the plurality of communication stations.

26. The device of claim 16 wherein managing data packet transmission comprises mixing data packets from the plurality of communication stations.

27. The device of claim 26 wherein managing data packet transmission further comprises sending the mixed data packets to the first VoIP station.

28. The device of claim 16 further comprising indicating a busy status on the first VoIP station.

29. The device of claim 16 further comprising receiving an on-hook signal from the first VoIP station.

30. The device of claim 16 further comprising receiving an on-hook signal from at least one of the second VoIP station and the at least one other station.

31. The device of claim 30 wherein the call is disconnected.